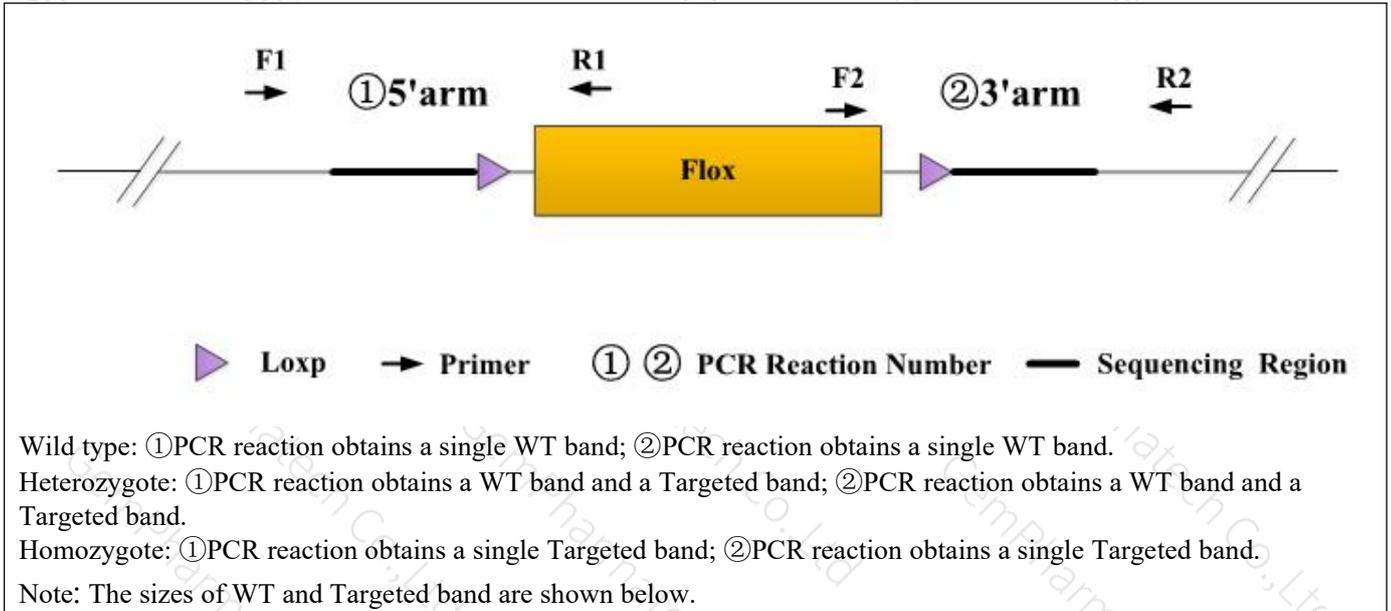


## Genotyping Report

Strain ID	T051966	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	<i>Adcyap1r1</i>		

### 1. Strategy of Genotyping

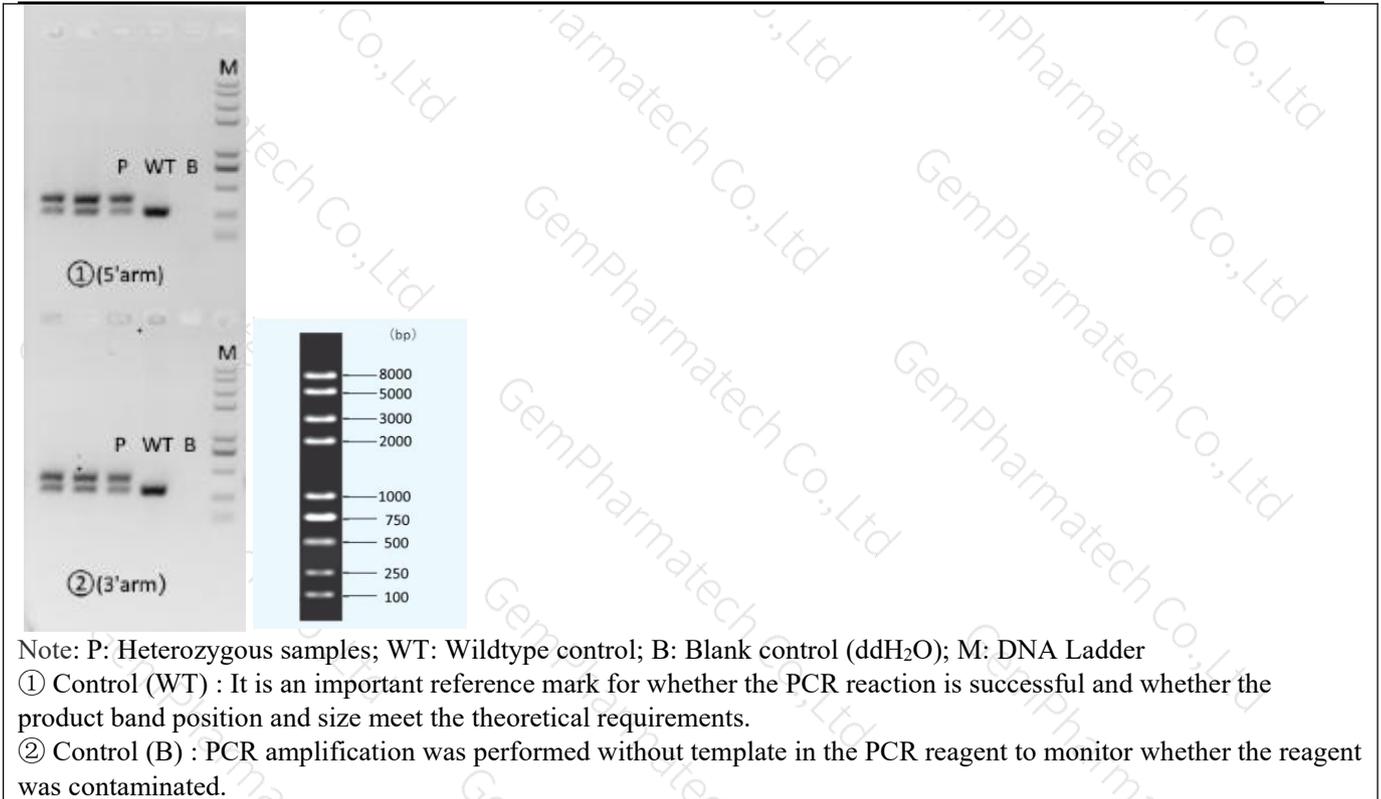


### 2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
①(5'arm)	T051966(P2)-F1	TTAGGACCACATGATGGTCTTCTGGT	WT: 284bp Targeted: 389bp
	T051966(P2)-R1	AATCTGAGCTGCCAAGGACCATGTA	
②(3'arm)	T051966(P2)-F2	ACCCAGAGAAAAGACTCCATCATGC	WT: 321bp Targeted: 427bp
	T051966(P2)-R2	GAATCTGCCCTTTACTGAGTCTGCA	

### 3. Gel Image & Conclusion

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#### 4. PCR Condition

PCR Reaction Component			
Seg.	reaction component		Volume (μl)
1	2 × Rapid Taq Master Mix (Vazyme P222)		12.5
2	ddH <sub>2</sub> O		9.5
3	Primer A(10pmol/μl)		1
4	Primer B(10pmol/μl)		1
5	Template(20~80ng/μl)		1
PCR program I priority selection			
Seg.	Temp.	Time	Cycle
1	95 °C	5min	
2	98 °C	30s	20×
3	65 °C* (-0.5 °C/cycle)	30s	
4	72 °C	45s*	
5	98 °C	30s	15×
6	55 °C*	30s	
7	72 °C	45s*	
8	72 °C	5min	

9	10°C	hold	
<b>PCR program II the second choice</b>			
Seg.	Temp.	Time	Cycle
1	95°C	5min	35×
2	98°C	30s	
3	58°C*	30s	
4	72°C	45s*	
5	72°C	5min	
6	10°C	hold	

Note\*: Annealing temperature and extension time can be determined according to the actual amplification situation and amplification enzyme efficiency.